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US EPA Contract No. 68-W9-0024

ARCS II

FIELD SUMMARY REPORT
OVERSIGHT OF
MONITORING WELL INSTALLATION ACTIVITIES
JANUARY 24-26, 1995
PHASE II SITE INVESTIGATION
PULVERIZING SERVICES SITE
MOORESTOWN, NEW JERSEY

**REMEDIAL PLANNING ACTIVITIES AT SELECTED
UNCONTROLLED HAZARDOUS SUBSTANCE
DISPOSAL SITES WITHIN EPA REGION II
(NY, NJ, PR, VI)**

300073

CDM Federal Programs Corporation

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MOORESTOWN, NEW JERSEY**

Prepared for

**U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, DC 20460**

EPA Work Assignment No.	:	064-2P2J
EPA Region	:	II
Site No.	:	2P2J
Contract No.	:	68-W9-0024
Document Control No.	:	7720-064-EP-CDMG
Prepared By	:	CDM Federal Programs Corp.
Work Assignment Project Manager	:	Susan E. Boone
Telephone Number	:	908/757-9500
Date	:	27 January 1995

300074



CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.
January 27, 1995

Mr. John Osolin
Remedial Project Manager
U.S. Environmental Protection Agency
26 Federal Plaza - Room 13-100
New York, New York 10278

PROJECT: ARCs II, EPA Contract No.: 68-W9-0024
Work Assignment No.: 064-2P2J
DOCUMENT NO.: 7720-064-EP-CDMG
SUBJECT: Field Summary Report
Oversight of Monitoring Well Installation Activities
January 23-25, 1995
Pulverizing Services Site
Moorestown, NJ

Dear Mr. Osolin:

Enclosed are the field log book notes for the oversight performed at the Pulverizing Services site, Moorestown, New Jersey as partial fulfillment of the reporting requirements for this work assignment. This report documents activities for the period January 23-25, 1995.

Mr. Rob Savill, representing CDM Federal Programs Corporation, acted as the ARCs II field team leader for the oversight of the McLaren-Hart (the PRP contractor) during monitoring well installation and development activities. Geophysical slug testing and movement of onsite drums to a secure area could not be accomplished this period because these tasks had not received prior EPA review and approval. The enclosed copy of the field logbook notes provides the details of the oversight tasks.

If you have any questions regarding this submittal, please feel free to call me at (908) 757-9500.

Sincerely,

CDM FEDERAL PROGRAMS CORPORATION

Susan E. Boone
Work Assignment Manager

Enclosure

cc: A. Devine, EPA ARCS II Project Officer
R. Goltz, CDM Federal, ARCS II Program Manager, NYC
P. Boyle, CDM Federal, ARCS II TOM, NWJY
R. Savill, CDM Federal, PHL
Document Control (2 copies)

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MTW 1/23/95

(121)

0645- Arrive onsite. CDM
advisory oversight personnel is
Robert Savill (RS)

Weather: Clear, Cold - 30-35°F

0700- McLaren H+H ^{personnel}
is Fred Coll. (FC)

0705- RS meets w/ FC to
discuss ifinery, well
installation and development
should be complete by
end of day Tuesday,
with the production well
and slug testing of existing
wells (?) to be completed
Wed + Thurs.

0715- Meet w/ drillers and
have H+H meeting w/ MH

MTW 1/23/95

(129)

11/23/95

1414 - First split sample ob taken
 drilling is circumferential using
 4" inch ID Miller stream deposits
 split sampling is contained
 from the surface using
 2 X 4 split spades

Mud - 8' Bring log

Depth / Material Description HNU

0-2

And bin silty sand
 w/ root material feeding
 into mud grey clay
 same moist w/
 orange-brown mottling
 - Same as about

2-4

Mud grey sandy clay
 w/ orange-brown mottling
 mud silt. - no is ft.
 Dark grey clay - silt. ft.
 uniform - 1.0. Clay

6-8

Formation
 being transferred

8'

11/23/95

NO HNU READINGS ABOVE
 BACKGROUN

11/23/95

(125)

1417 - 1st P taken by RS of
 monitor 12/1/94
 Mud - 8' wire touch

1450 - Bring from 1417

1510 - well construction begins

1X 5' length QIC screen (2") PVC

1X 5' length 2" PVC

3' Bed #10 W. (Mer Co) 11-35

1/2 Bag concrete

1X 5' length Prefabricated casing

1525 - Construction details (Blue band 1500)

- Depth of hole 11-8'

- Sand pack - 8'-2' (1' below small)

- Drilling slurry - 2'-1'

- Concrete to surface

1545 - Rig guns stuck again

1640 - Abandon rig - leave S. Ho

11/23/95

(126)

1/24/95

12/4/94

0800 - Arrive onsite

weather - cloudy, 35°F

All onsite personnel remain for same as 1/23/95

0845 - RS calibrates HMC

ID #420043 using HMC

Isobutylene (Lot #40496)

100 ppm in air. Span setting

6.25% yield 65 ppm Bkgd

1030 - Trucks are stuck in area C

1200 - Went to lunch

1230 - Back from lunch. Trucks are free, good view is set up on NW-10.

1235 - Slightly Tech problem at NW-10

1245 for 12/4/94

12/4/94

(127)

1230 - Slightly Tech problem at NW-10, view with

1240 - Drilling started at NW-10

NW-10 being dug

1245 - Drilling of NW-10

1250 - Drilling of NW-10

1255 - Drilling of NW-10

1300 - Drilling of NW-10

1305 - Drilling of NW-10

1310 - Drilling of NW-10

1315 - Drilling of NW-10

1320 - Drilling of NW-10

1325 - Drilling of NW-10

1330 - Drilling of NW-10

No HAV readings above background

Depth	Description of Material	How
130	N.W.-g Boring/leg	1/24/94
0-2	fill mat - asphalt, wet to brn silty sd. w/ gravel, no. 1	
2-4	orange brn silty sand - fine gravel no. 1	
4-6	EC org. brn m-c sd	
6-8	w/ to silt. first	
8-10	Same as above	
10-12	Same as above, wet at 9' bgs	
12-14	Same as above, wet at 10' bgs - silted.	
14-16	Same as above, silted at 12' bgs - silted.	
16-18	Same as above, silted at 14' bgs - silted.	
18-20	Same as above, silted at 16' bgs - silted.	
20-22	Same as above, silted at 18' bgs - silted.	
22-24	Same as above, silted at 20' bgs - silted.	
24-26	Same as above, silted at 22' bgs - silted.	
26-28	Same as above, silted at 24' bgs - silted.	
28-30	Same as above, silted at 26' bgs - silted.	
30-32	Same as above, silted at 28' bgs - silted.	
32-34	Same as above, silted at 30' bgs - silted.	
34-36	Same as above, silted at 32' bgs - silted.	
36-38	Same as above, silted at 34' bgs - silted.	
38-40	Same as above, silted at 36' bgs - silted.	
40-42	Same as above, silted at 38' bgs - silted.	
42-44	Same as above, silted at 40' bgs - silted.	
44-46	Same as above, silted at 42' bgs - silted.	
46-48	Same as above, silted at 44' bgs - silted.	
48-50	Same as above, silted at 46' bgs - silted.	
50-52	Same as above, silted at 48' bgs - silted.	

No H&V readings above Backhoe.

Depth	Description of Material	How
0700	Arrived on site	1/25/94
0705	RS calibrates Hnd. T0440003	
0710	US 174420 - 1506.14000 (10' 10" 10" 10")	
0715	100 ppm in air - span setting 6.5	
0720	to yield 6.5 ppm BKG 10 ppm.	
0725	Arr. at NW-4 line	
0730	well construction is underway.	
0735	Well set at 15'.	
0740	Screen from 15' - 5' (10' screen)	
0745	Sand to 4'	
0750	Bentonite slurry to 2'	
0755	Concrete to surface (17' thick)	
0800	Photo of casing to finish well	
0805	End of 1/25/94	

(13)

11/25/94

1151- Rig is set up on NW-2

RS- Shelby Tube is pushed
from D-2.

1130- Could not get in a tube
from D-2, will attempt from
113.

1139- Is successful driving of Shelby
tube. Done first spot.

1144- Shelby tube driven from 14-16
after several attempts to obtain this
tully in the clay layer

1149- firing at trench area in
area for geologic surface
conductivity of Shelby tubes will
be collected, as will glassware

1155- Rig up taken by RS of
needed sampling in trench area,
line gas.

11/25/94

11/25/94

0830- Arrive
0800- Rig taken by RS of
NW-2 near completion,
view North.

0830- Arrive at Production
well house, where M.H. +
drilling personnel will attempt
to remove the pump.

0839- Rig taken by RS of
production well pump removal,
view South.

0915- After attempting to remove
the pump, it was determined
that the pump would need to
be shot up. This problem
will require further collection.

1000- Rig attempts to access NW-2
the final well. plywood has
been laid down.

11/25/94

(154)	Map #11	1/25/94
MW-7 Drilling Log		
Depth	Description of material	
0-2'	Bn Silty sand	
2-4'	soft material, nois	
4-6'	Sand as above	
6-8'	Sandy br. med-C	
8-10'	Sandy br. med-C	
10-12'	Sandy br. med-C	
12-14'	Sandy br. med-C	
14-16'	Sandy br. med-C	
16-18'	Sandy br. med-C	
18-20'	Sandy br. med-C	
20-22'	Sandy br. med-C	
22-24'	Sandy br. med-C	
24-26'	Sandy br. med-C	
26-28'	Sandy br. med-C	
28-30'	Sandy br. med-C	

Not for 1/25/94

No HAD readings other than K. K. K.

Map #11	(155)
MW-7 Drilling Log	
1158- Total Sampling complete	
A second good sampling location	
was sampled yesterday at the center	
of Area 5. The same parameters were	
collected.	
1157- Well construction by 1/25/94	
MW-7:	
- Well sat at 14'	
- Screen from 14'-4'	
- Sand to 3'	
- Backfill to	
- Concrete to surface	
1202- R. R. Taken by R.S.	
of well construction at	
MW-7. View South	
1230- Well completed	
1250- Well to 14'	
1300- Back from line	

Not for 1/25/94

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Mon Jan 1/25/94

1520 - Development complete at MW-07.

1527 - Arrive at MW-10 for development.

1540 - Begin development at MW-10. One volume = 0.5 gal.

Gal	pH	Cond	Temp	Time
1	4.5	1160	50.6	1547
5	4.2	1431	50.0	1553
10	4.25	1240	48.5	1602
15	4.29	1317	48.8	1609
23	4.32	1295	47.5	1622

1623 - End Development at MW-10.

1637 - Arrive at MW-09 for development.

1645 - Purging of MW-10 begins. One volume = 0.8 gal.

1655 - No slug testing this week due to lack of approval from EPA.

Mon Jan 1/25/94

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Mon Jan 1/25/94

Gal	pH	Cond	Temp	Time
2	5.46	9.39	46.2	1646
5	5.67	9.44	48.5	1651
10	5.96	9.97	49.5	1657
12.5	5.97	9.33	45.8	1702
15.0	6.02	9.42	48.7	1710

End of development

1715 - Left site

1/25/94

Mon Jan 1/25/94

